

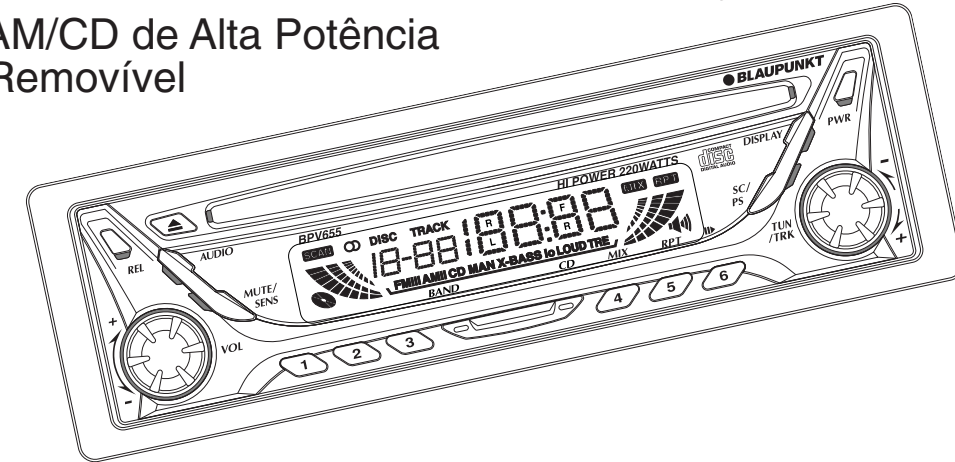
BPV 655/BPV 650

High-Power FM/AM/CD Receiver with Detachable Face

Autoradio FM/AM à Lecteur CD de Forte Puissance et à Face Amovible

Receptor FM/AM/Reproductor de CD de Alta Potencia y con Panel Extraíble

Rádio FM/AM/CD de Alta Potência
com Face Removível



Robert Bosch Corporation
Sales Group —
Blaupunkt Division
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<http://www.blaupunktUSA.com/>

● BLAUPUNKT®

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with instructions, may cause harmful interference with radio communications. However, there is no guarantee that radio interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help. You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Features

- Detachable front panel
- Built-in power amplifier
 - BPV 655
(max. output : 55W × 4ch)
 - BPV 650
(max. output : 50W × 4ch)
- FM/AM PLL Synthesizer tuner
- 30 Station preset memory
- Travel Store / Scan tuning

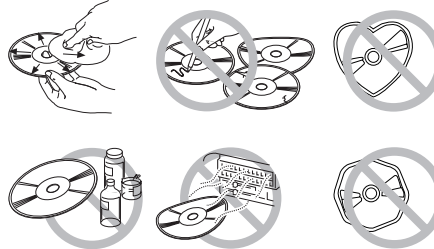
Precautions

- Avoid installing the unit where it would be subject to high temperatures, such as in direct sunlight or a hot air stream from the heater, or where it would be subject to dust, dirt, or excessive vibration.
- Do not turn on the unit if the temperature inside the car is very high. Always cool down the unit before usage. Parking your car in direct sunlight will result in a temperature rise.
- If the unit does not turn on, check the connections first. Then check whether the fuse at the back of the unit is blown.
- Carefully read this manual before using the unit. If you encounter any problems that are not covered in this manual, please consult the dealer where you purchased the unit or the dealer nearest to you.
- This unit has been designed specifically for playback of compact discs bearing the following mark. Other discs cannot be played.



Handling Compact Discs

- Be careful when removing a compact disk after the playback is completed because the disk may be extremely hot.
- Do not use non-conventional discs such as heart-shaped, octagonal discs, etc. The player could be damaged.
- Do not expose compact discs to direct sunlight or any heat source.
- Check all compact discs before playing, and discard cracked, scratched or warped discs.
- Wipe dirty or damp discs outward from the centre with a soft cloth.
- Do not use any solvents such as commercially available cleaners, antistatic spray, or thinner to clean the compact discs.



Handling the Front Panel

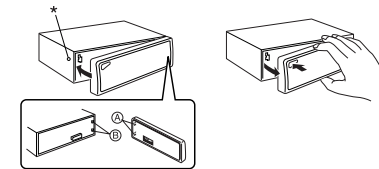
Attaching the Front Panel

Place the right hand side of the front panel so that the parts ① of the front panel are engaged with the parts ② of the unit as shown below. Then push the left hand side of the front panel until it is securely locked.

Detaching the Front Panel

Remove the CD from the unit, if any, and turn off the power of the unit.

Press the **REL** to unlock the front panel from the unit. Grasp the front panel as shown below and remove it from the unit.



Security

To avoid theft or loss of the front panel, you can inactivate the release button **REL** by installing the screw provided.

1. Unscrew the bolt marked ★ at the left front side of the unit. (See diagram above)
2. Attach the front panel.
3. Select a locking screw from the mounting hardware (See page 7) and screw it into the same hole to fasten the front panel.

Notes

- Do not press hard on the front panel when affixing it to the unit. No more than light to moderate pressure should be needed.
- Make sure there is no dust or dirt on the electrical terminals on the back of the front panel as this could cause intermittent operation or other malfunctions.

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Connections

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Warning

- To prevent short circuit, remove the key from the ignition and disconnect the battery's (-) terminal.
- This unit is designed for negative ground 12 V DC operation only. You can not use it for 24 V or other types of car batteries.

Connection procedure

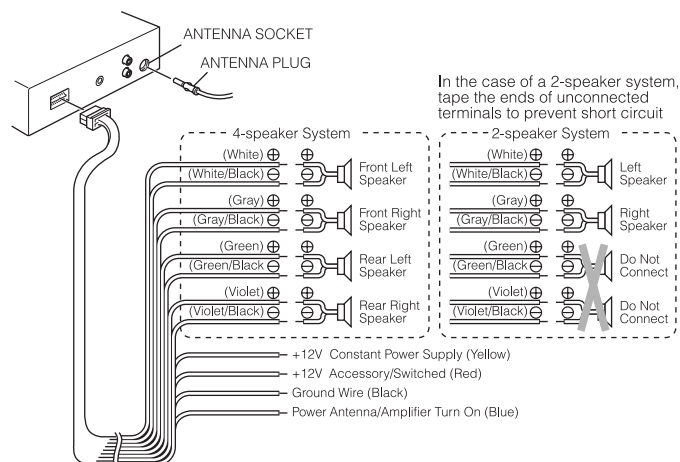
Caution

- DO NOT connect any speaker wires to the metal body or chassis of the vehicle.
- DO NOT connect the speaker common (-) wires to each other.
- Connect each speaker wire directly to each speaker terminal.
- All speaker common (-) wires must remain floating. ie. No common connections or connection to vehicle grd.
- Connect each pair of speaker leads only to a single speaker (or speaker system) that has an impedance of least 4 ohms, as well as adequate power-handling capability.
- Do not connect speaker leads to any inputs on external amplifiers. This will cause damage to the internal amplifier of this unit.

- 1 Make sure the car's ignition key has been removed.
- 2 Disconnect the negative (-) terminal of the car's battery.
- 3 Connect the wiring harness wires in the following order : Ground wire (Black), +12V Constant Power Supply (Yellow), +12V Accessory/Switched (Red) and Power Antenna/Amplifier Turn On (Blue), and tape each so they do not come in contact with each other.
- 4 Connect the speaker wires of the wiring harness.
- 5 Connect the car's antenna terminal to the antenna socket of the unit.
- 6 Connect the detachable wire harness to the unit.
- 7 Reconnect the negative (-) terminal of the car's battery.
- 8 Start the car's engine.
- 9 Make sure the unit operates properly.

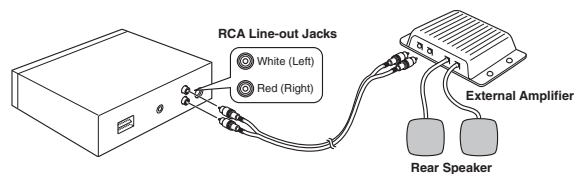
E-8

Connection procedure



Preamp Out/Line Out Connections

- Since this unit has Line Level Outputs, you can use an amplifier to upgrade your vehicle stereo system.



RCA Line-out Jacks (For Rear Speakers)

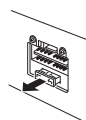
- Connect a patch cable (not supplied) from the White (left rear channel) and Red (right rear channel) RCA line output jacks of the unit to the line input terminals of the external amplifier.



Maintenance

Replacing the Fuse

If the fuse is blown, check the power connection first and then replace the fuse. If the fuse blows again under normal conditions, the unit may be defective.



Back of the unit

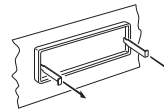
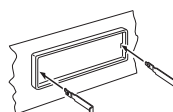
Warning

*Use only a fuse with the specified amperage (10 A).
Use of another type of fuse can result in a fire or unit damage.*

Removing the Unit

Use the supplied release keys when you need to remove the unit from the car.

Insert them into the unit as shown below. This will unlock the unit from the sleeve, allowing for removal of the unit.

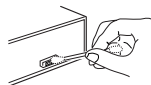


Note

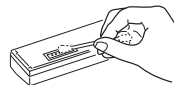
- Handle the release keys carefully to avoid injuring your fingers.
- Keep the release keys in a safe place for future use.

Cleaning the Connectors

If the connectors of the unit and the front panel are contaminated, malfunctions may occur. Detach the front panel and clean the connectors with an alcohol dampened cotton swab as shown below.



Main unit



Back of the front panel

Returning to the Initial Settings

When the Eject button is pressed for more than 10 seconds, the microcomputer of the unit returns to the initial settings. If the display window is not properly shown or the unit malfunctions, press the Eject button for more than 10 seconds.



Troubleshooting Guide

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The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer back to the connection and operating procedures.

General

Trouble	Cause/Solution
• Memorized stations and correct time are erased.	Leads are not matched correctly with the car's accessory power connector.
• The fuse has blown.	Check wiring for short circuits.
• Radio works when the ignition key is the ON, ACC and OFF positions.	
• No power is being supplied to the unit.	The car doesn't have an ACC position.
• The power is continuously supplied to the unit.	

Radio reception

Trouble	Cause/Solution
Preset stations are not receivable.	The broadcast signal is too weak.
Seek tuning is not possible	The broadcast signal is too weak. → Use manual tuning.
Travel Store feature does not complete storing of six stations.	Not enough broadcast frequencies are receivable.

Also make sure that antenna is connected, extended and dry inside.

If the above mentioned solutions do not help to improve the situation, consult your nearest **Blaupunkt** dealer or in the United States call 1-800-266-2528 for technical assistance, parts and service. Call 1-800-950-2528 for dealer referral or to request product brochure.

CD Player Troubleshooting

When problems occur with CD playback, an error message appears in the display window. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your nearest **Blaupunkt** dealer.

Message	Possible cause	Recommended action
E-01	Dirty disc. Scratched disc. Up-side-down.	Clean the disc. Replace the disc. Check the disc.
E-02	Focus error.	Try ejecting and re-inserting under normal temperature conditions.
E-03	Data and focus error.	Under normal temperature conditions, eject and insert clean, undamaged disc properly.
E-04	Mechanical problem.	Eject and re-insert.
E-05	Loading/Eject error.	Eject and re-insert.

Specifications

GENERAL

Dimensions	: Approx. 178 mm × 50 mm × 155 mm (W × H × D)
Power requirements	: 12 volts DC car battery (negative ground)
Output Power	: RMS and Peak Power ratings (188 watts) BPV 655 220 watts/55 peak × 4ch BPV 650 200 watts/50 peak × 4ch
Output Wiring	: Floating-ground type designed for 4 speaker use. RCA low-level outputs (2 channels).
Output Impedance	: Compatible with 4-8 ohm speakers.
Low - Level Output	: 2 V.

TUNER

Tuning Range	: AM : 530 - 1,710 kHz (10 kHz step) FM : 87.5 - 107.9 MHz (200 kHz step)
Sensitivity	: AM : 20 µV FM : 9.1 dBf mono sensitivity
FM	
Stereo Separation	: 35 dB

CD PLAYER

Frequency Response	: 20 - 20,000 Hz
S/N Ratio	: 98 dB
Wow & Flutter	: Below the measurable limit